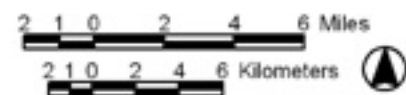




February 12, 2004



Legend

- | | | | |
|--|------------|--|--|
| | Aerial | | Potential Station |
| | At-Grade | | Potential Station (Non-Electrified Service Only) |
| | Trench | | Alignment Designation |
| | Tunnel | | Cross Sections and Limits of Figure |
| | Urban Area | | |

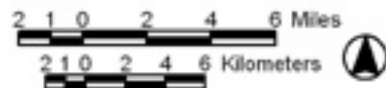
California High Speed Train Program EIR/EIS

Alignment Structure Types and
Corresponding Cross Sections
Irvine to Oceanside



February 12, 2004

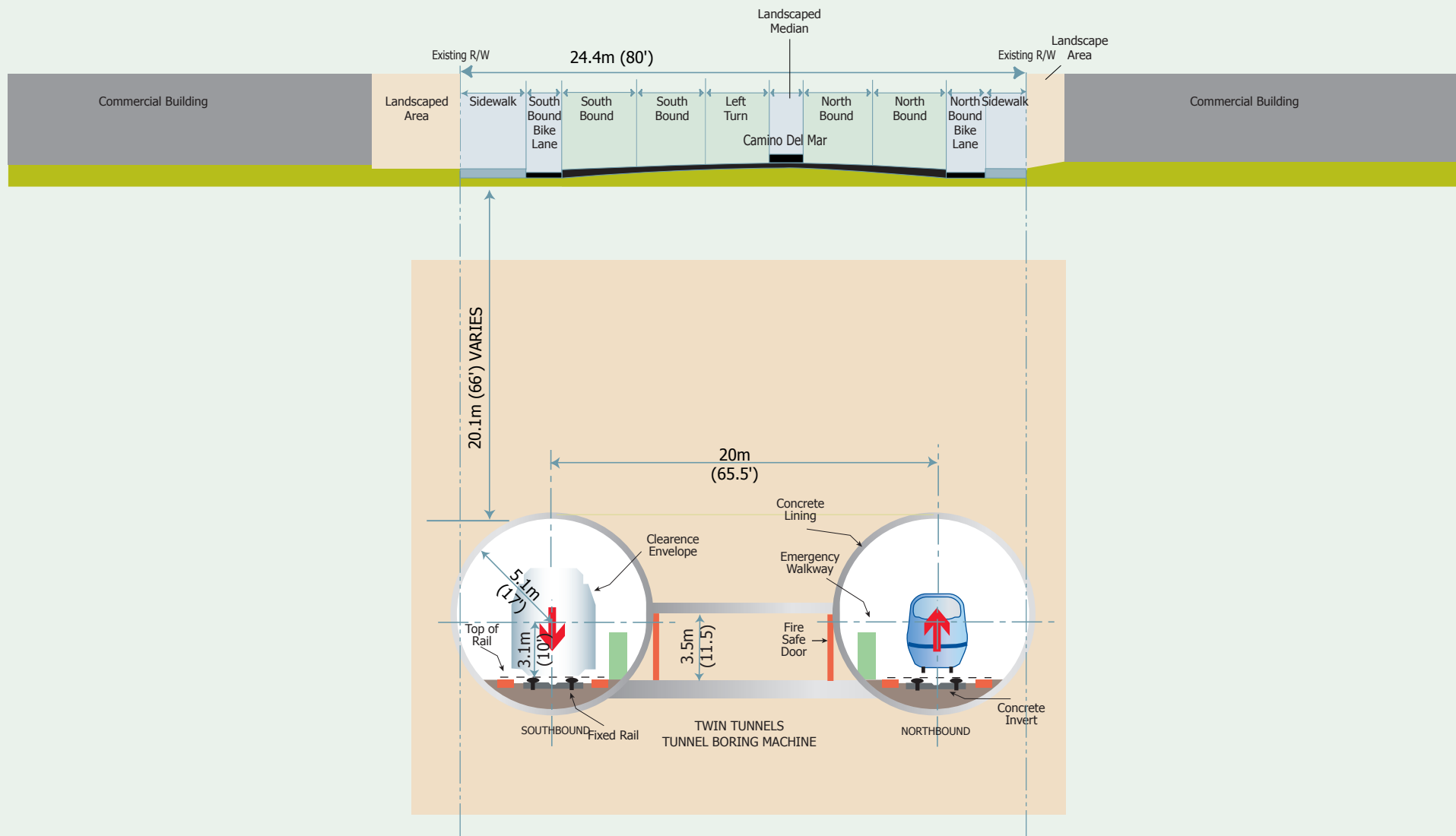
California High Speed Train Program EIR/EIS



Legend

- | | | |
|---|-----------|--|
| — Aerial | Station | Potential Station |
| — At-Grade | Station | Potential Station (Non-Electrified Service Only) |
| — Trench | Alignment | Alignment Designation |
| — Tunnel | F.4 | Cross Sections and Limits of Figure |
| Urban Area | | |

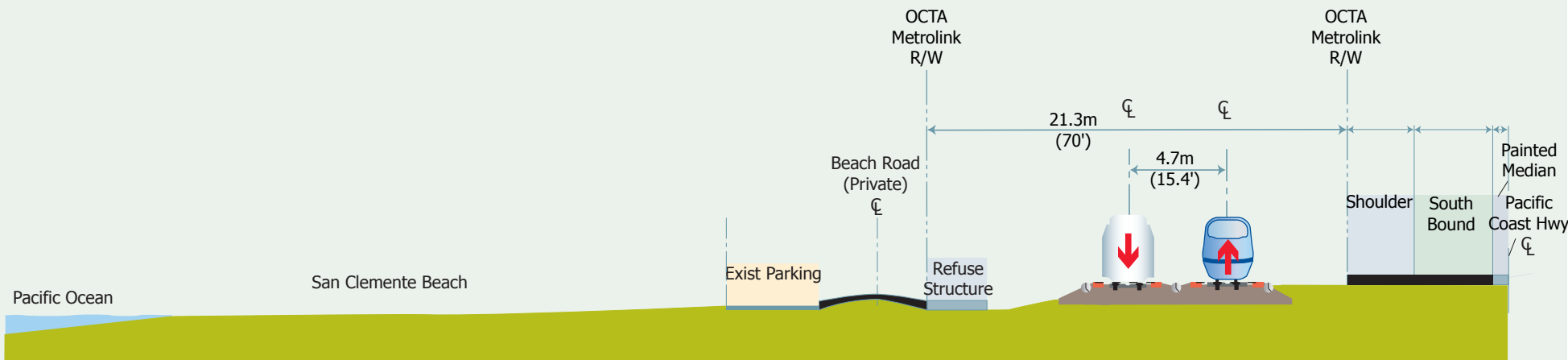
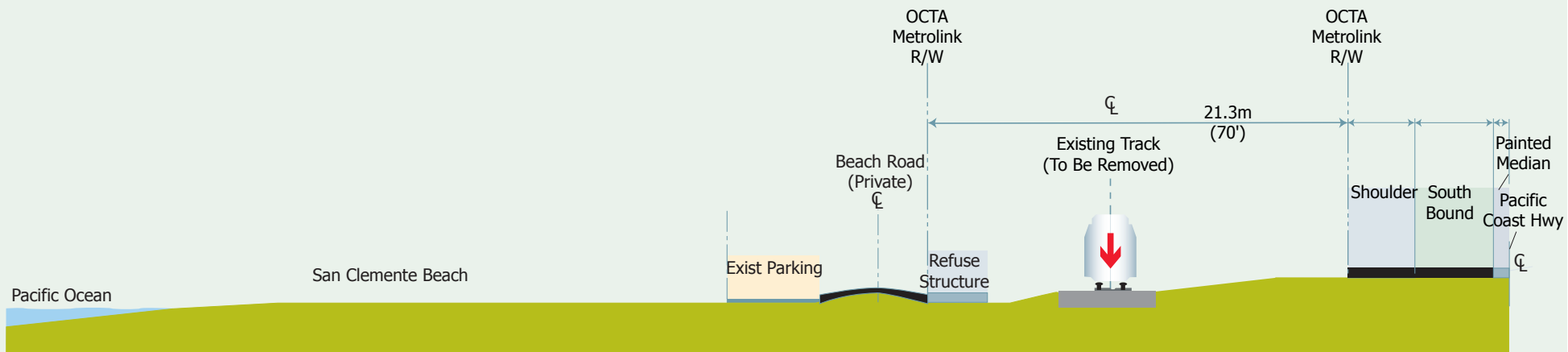
Alignment Structure Types and Corresponding Cross Sections Oceanside to San Diego



California High-Speed Train Program EIR/EIS

**Typical Tunnel Section
LOSSAN Conventional
Del Mar Twin Bore Tunnel**

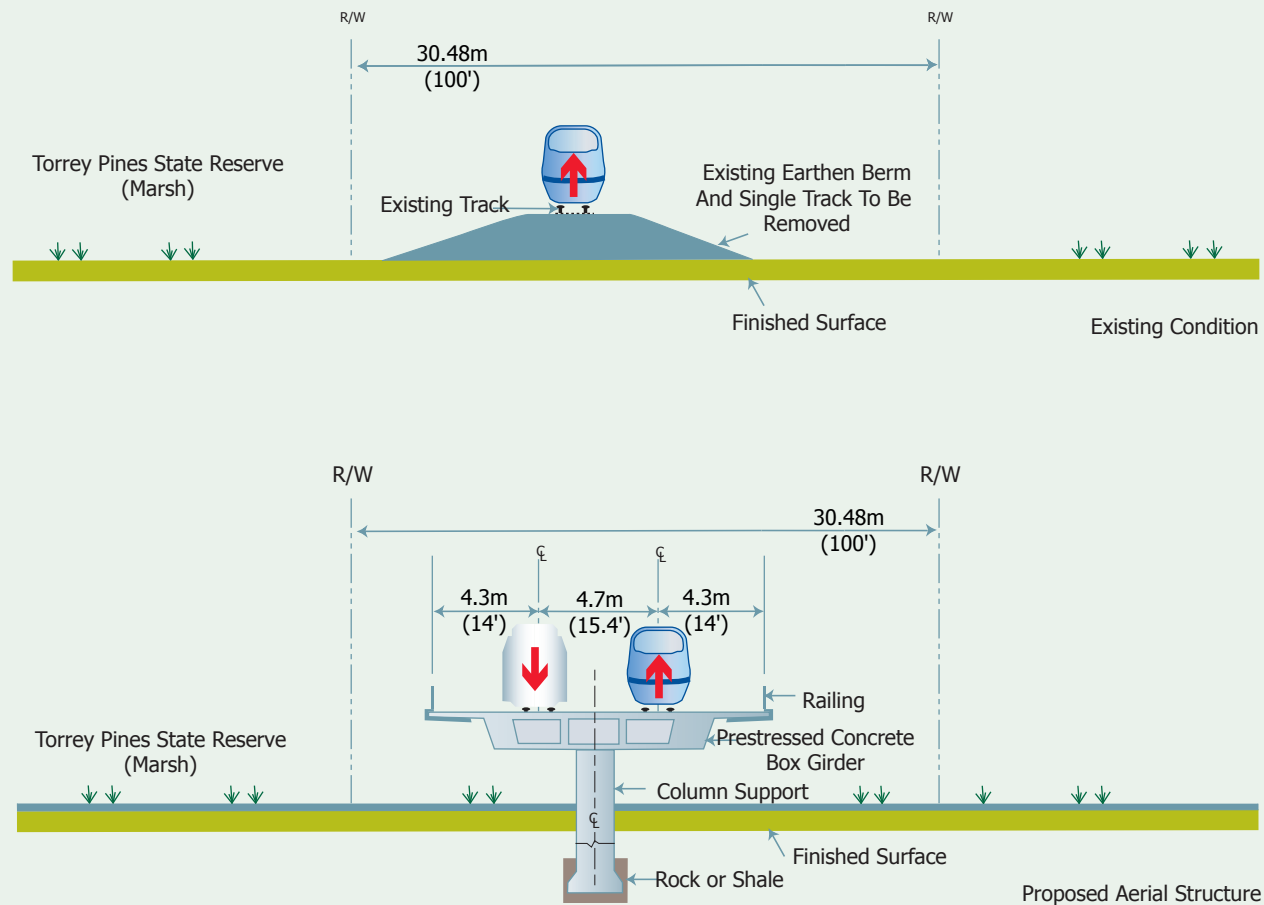
Figure F.1



California High-Speed Train Program EIR/EIS

**Typical At-Grade Section
LOSSAN Conventional
Dana Point - Along PCH**

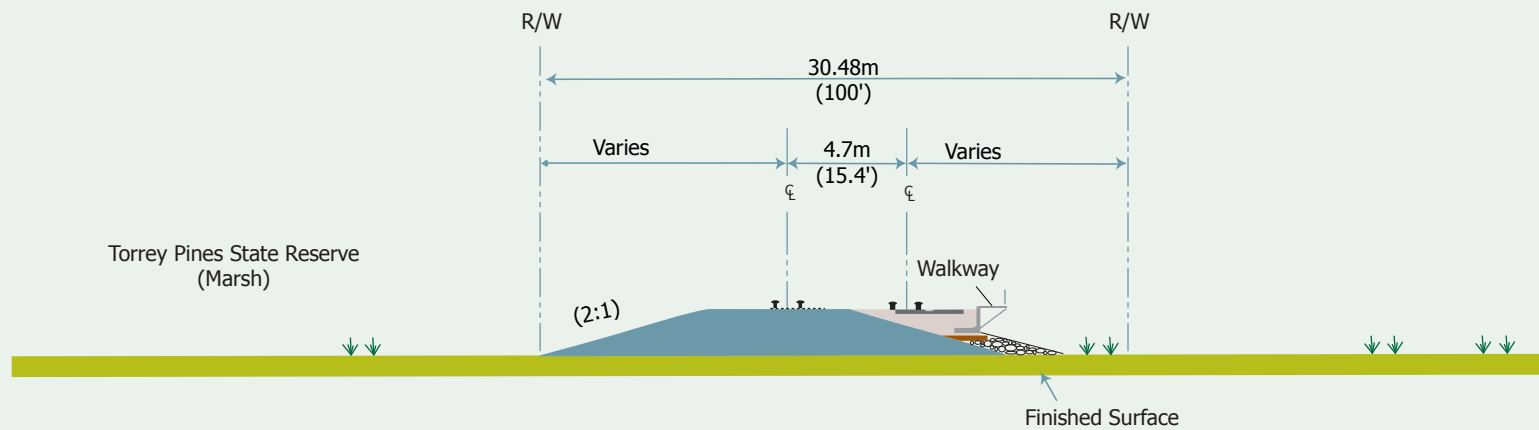
Figure F.2



California High-Speed Train Program EIR/EIS

**Typical (Low) Aerial Structure
LOSSAN Conventional
Penasquitos Lagoon**

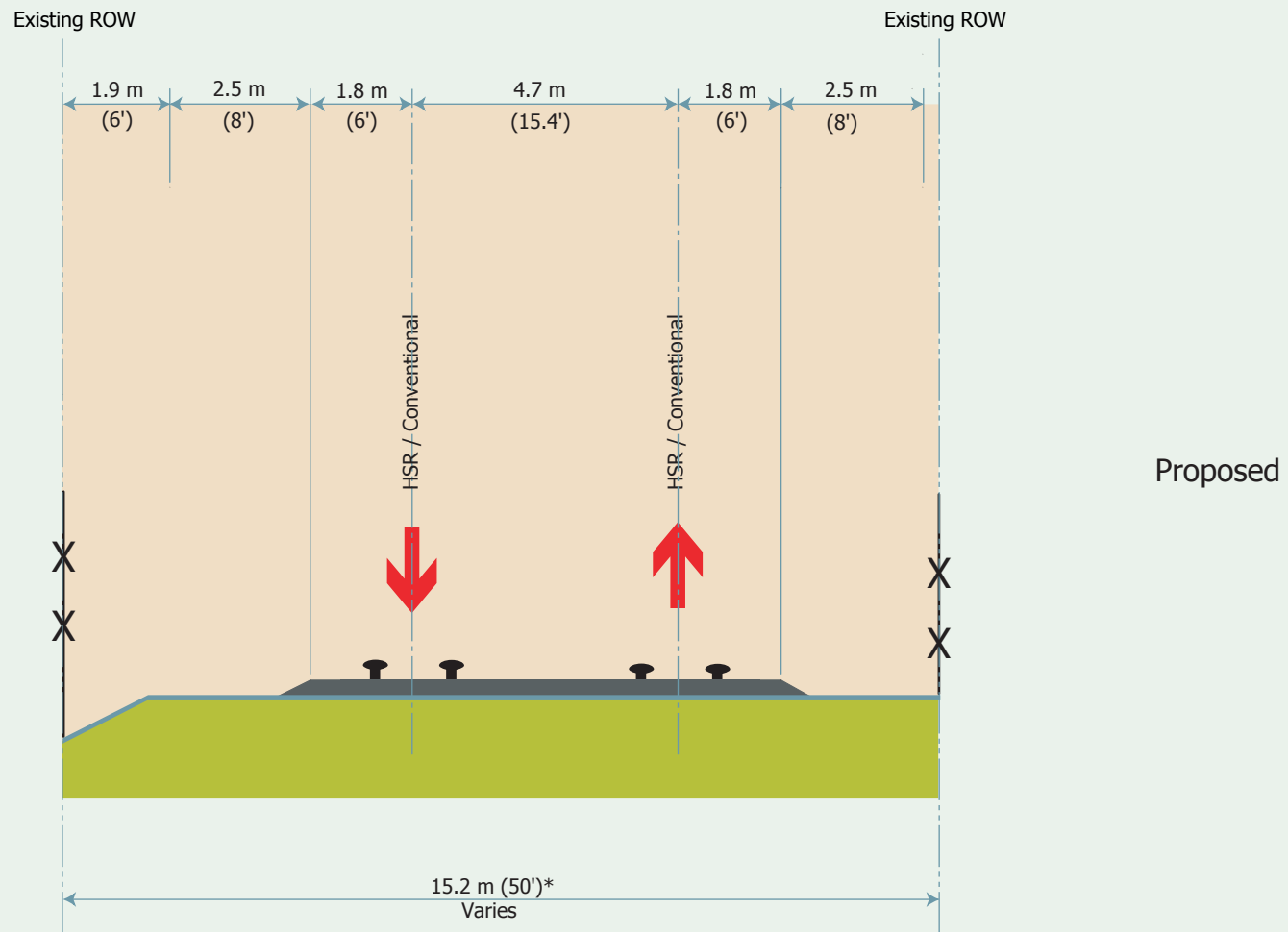
Figure F.3



California High-Speed Train Program EIR/EIS

**Typical Retained Fill Section
LOSSAN Conventional
Penasquitos Lagoon**

Figure F.4

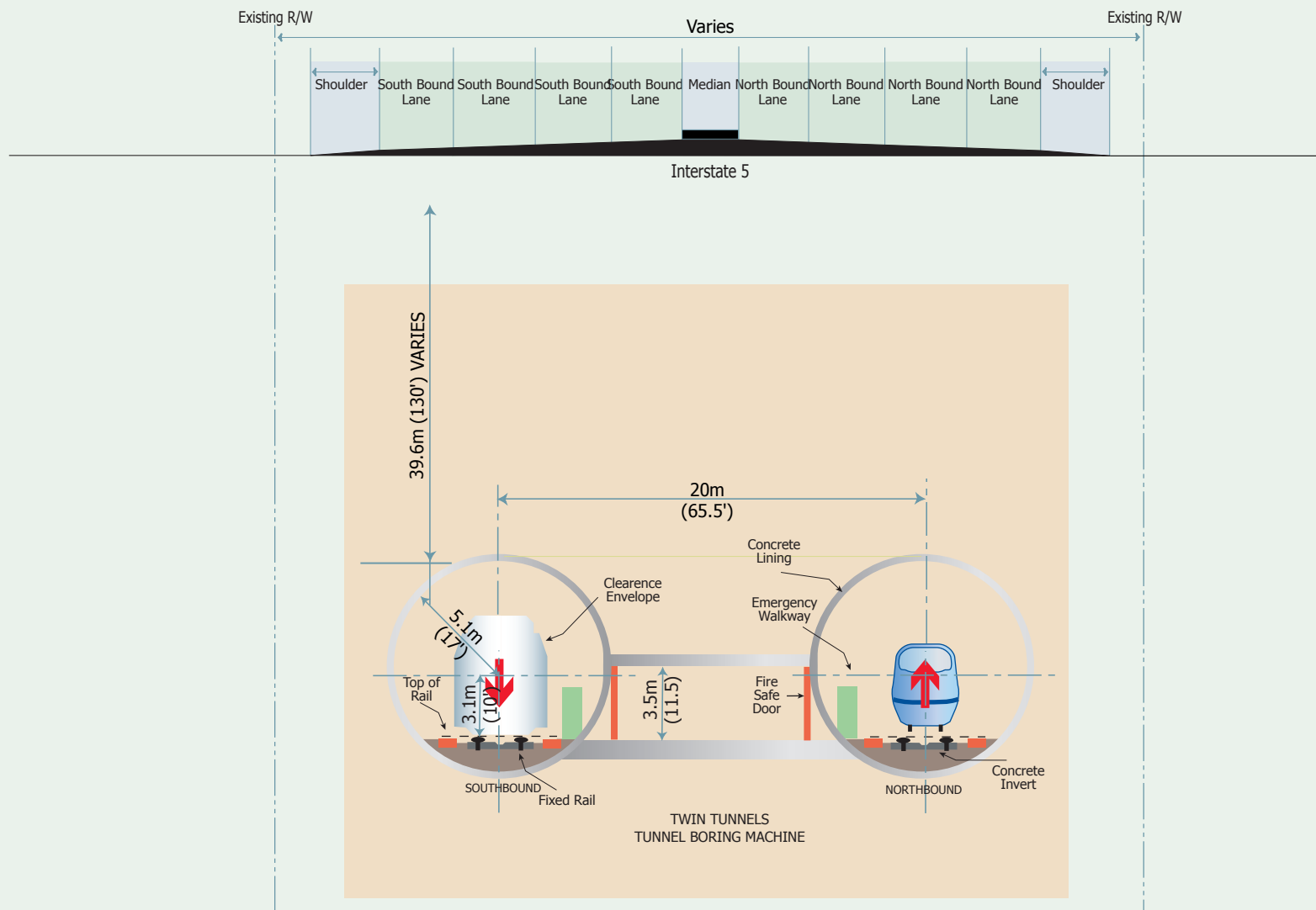


* May Require Additional Right-of-Way at Certain Locations

California High-Speed Train Program EIR/EIS

**At-Grade Mainline Section On Existing LOSSAN Corridor
LOSSAN Conventional
Limits as noted on plans**

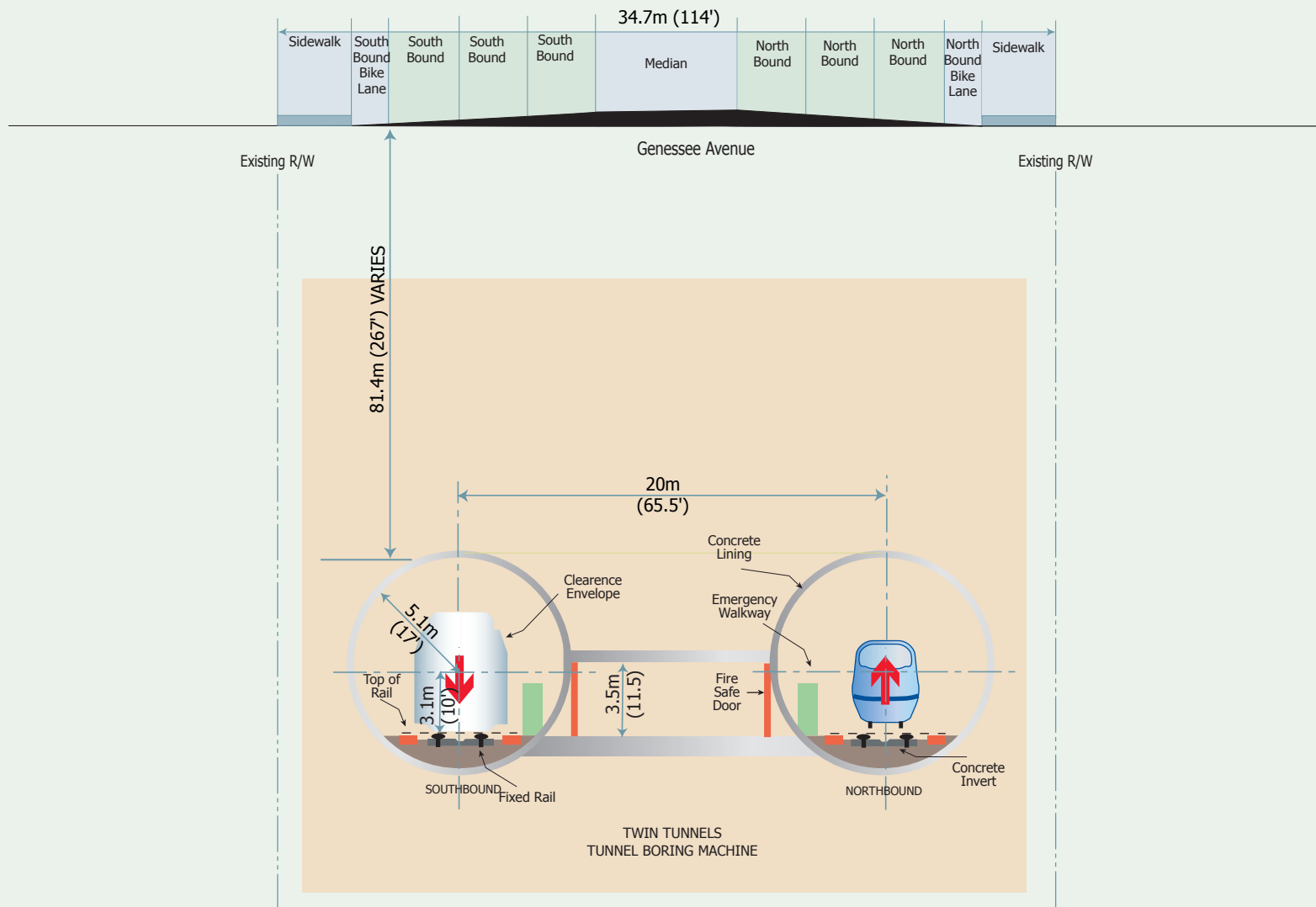
Figure F.5



California High-Speed Train Program EIR/EIS

Typical Tunnel Section
LOSSAN Conventional
San Clemente, Del Mar, and U.T.C. Twin Bore Tunnel

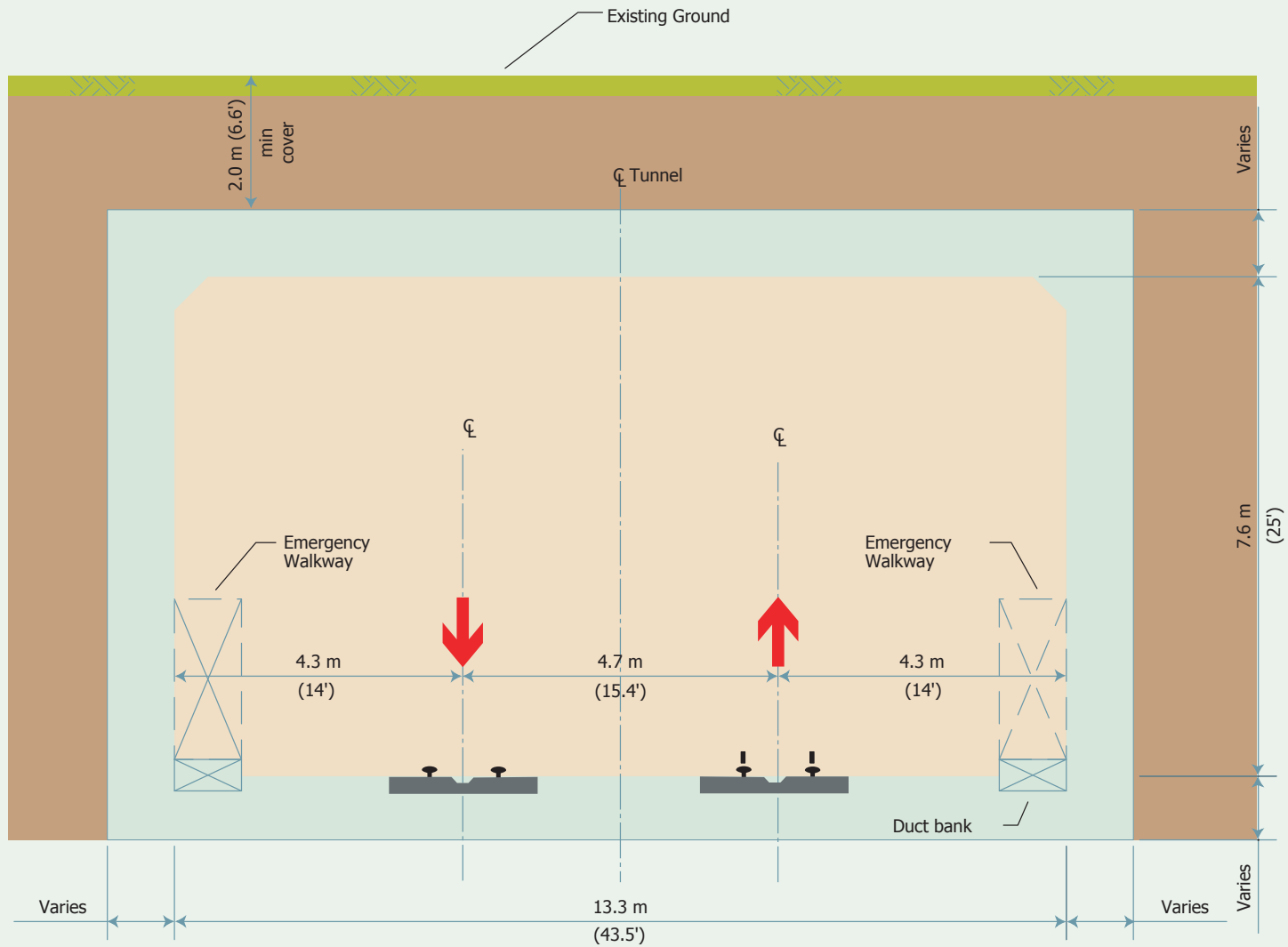
Figure F.6



California High-Speed Train Program EIR/EIS

**Typical Tunnel Section
LOSSAN Conventional
U.T.C. Twin Bore Tunnel**

Figure F.7



California High-Speed Train Program EIR/EIS

**Cut-and-Cover Tunnel Mainline Section
LOSSAN Conventional
Limits as noted on plans**

Figure F.8